

# AION: the Atom Interferometer Observatory and Network

*Thursday 22 September 2022 14:20 (20 minutes)*

I introduce the Atom Interferometer Observatory and Network (AION), an experimental programme which aims to use cold strontium atoms to search for ultra-light dark matter and to explore gravitational waves. I outline the experimental concept of AION, and its place within the landscape of ultra-light dark matter detectors. Finally, I give progress update for the AION project in the UK, which is entering its 2nd year.

**Presenter:** HOBSON, Richard

**Session Classification:** Session 2 (early pm)